not the result of the method of canning olives or other vegetables.

geon United States health service. speaking at the convention of health officers at the Hotel Portland, Furthermore, it was an outbreak in Klamissing link in the investigation as makes the product safe. This, point-E. C. Dickson of Stanford university, Dr. K. F. Meyer of the University of the United States surgeon- general's office, but Dr. Lawrence Selling of Portland, who was in attendance at casary, but 240 degrees for 90 minthe convention informed the assembled health officers that Dr. Geiger tulinus. was the scientist who had tracked the germ to the soil.

Olives Have Clean Bill

When a number of deaths occurred in various parts of the country from eating California olives, the national canners' association raised \$50,000 to-finance an investigation to discover what was wrong; whether the fault was in the process of preserving the olives or whether something was wrong with the food. Drs. Dickson, Meyer and Geiger were selected to carry on the work and have planed down one concrete fact-the source of the fatalities is in the earth. The olives have been given a clean bill of health insofar as they are concerned, but the public has become scared of offices and a \$30,000,000 industry in California has been ruined.

Bacillus botulinus, explained Dr. Geiger, is widespread in nature and the investigators have scarcely started on the subject. The spores have been found on vegetables, fruit, meat and fish. Where the investigators have been able to follow up outbreaks they have found that the in-



fected food came from gardens or orchards where manure was used for fertilization.

Cook Well, Is Advice

To play safe against this deadly ug, sterilization is the only protection. Take canned food and cook it for at least 10 minutes before eating, advised Dr. Geiger, and always throw away spoiled food.

Commercial canners, under suggestions of the commission, are now able to rid their products of the danger, but the home-canning industry, This scientific discovery was given particularly in California, said the to the world by the man who made scientist, is in a bad way. The bug the discoverey-Dr. J. G. Gelger, sur- has been able to resist 230 degrees of heat for 30 minutes and boiling for four hours, recounted Dr. Beiger, to show botulinus bacillus are extremely hardy. Now cannecs submath Falls, Or., which supplied the ject the food to 240 degrees for 40 under pressure, which to the cause of deaths from eating ed out the investigator, is more than olives. Dr. Geiger explained that the the home canner can do, for the home-canner does not have the under pressure to bring about thor-California and himself, representing ough sterilization. Salmon canners, he said, will come to a realization that an enormous cook will be necutes will clear salmon of balillus bo-

Alcohol Is No Help

Dr. Geiger told of a man on a Califruit on the place into a barrel, threw in some yeast, discovered the result had a "kick" and organized a poker far the investigation has not disclost ame here last spring and remained young qualls. ed the sport in wine; something in for three or four days investigating troy them, but Dr. Geiger is not pre- nounced that he was satisfied the pared to discuss this matter with au- botulimus baccilius was bred in the thority yet.

Andrew C. Smith, Dr. Geiger said ated Press circuit, that oil made from infected olives carry the bugs; that the olive oil ap- Cattle Tick Is pears to be a good carrier,

163 Cases In South

There have been 163 known cases of botulism in California. Regarding the olives which started the investtoga, Cal.

final clew, where a complete history Tennessee. and investigation was possible. For During the year ending Dec. 1, toxication—which means self-poison a number of years beans had been 1920 more than 50,000 square miles ing. Liver and bowel poisons called grown by a woman in her garden and were freed of ticks and since the toxins, sucked into the blood excite cess. Last winter the woman opened ed has been 510,091 square miles. fast that it congests in the smaller wholesome and she threw them out square miles infested with the tick distress, called headache. to the chickens. Next morning all when the eradication campaign bewere dead save one, which had 'lim. gan. The area remaining to be clear- crish and miserable, your meals sour berneck." Dr. Geiger appeared on the ed comprises 218,474 square miles, and almosht nauseate you. Then you scene. He found that the beans had all of which is in the southern states, been canned in the same manner as in previous years, but that the gar-

The Fortune Teller



been fertilized with manure. The WILL DESTROY BIRD Even alcohol, unless a very high investigator got some of the beans, percentage, does not fease botulinus. the chickens and dug up some beanstalks and soil and carried them fornia farm who tossed all the stale away. The analysis disclosed that Benito county hunters are preparing

Responding to a question by Dr. in local papers and over the Associ-

Wiped Out In Many States

WASHINGTON, Dec. 23.-The gation, they came from two yards, cattle tick is fast being eliminated one at Oroville and the other at through the work of the department lindsey, two of the best yards in the of agriculture and the co-operation state. Bacillus botulinus was found of the states. Of the 15 states which in the dust on the olives. Cases were tick-infested when the work of have been traced to the public mar- eradication systematically began on ket in San Francisco and nearby July 1, 1906, six of them have been towns and cases developed at Sara. completely freed of the pest. These states are California, Kentucky, Mis-Klamath Falls, Or., supplied the slasippi, Missouri, South Carolina and

home-canned by the cold pack pro- work began in 1906, the area releas- the heart which pumps the blood so

Saturday is Christmus day. What tating toxins. den for this particular crop had are you going to give her? Why not A glass of hot water with a tea-

> Fancy Xmase candles packed order at the Blue Bird.

Call at 129 N. 5th for cast men's clothing.

Our specialty is candy packed to order in any quantity. The Blue

ENEMIES OF QUAIL

HOLLISTER, Cal., Dec. 23 .- San Note-The hens who succumbed means of protecting the quail in this party. Twelve men who participated to the effects of the bean feed re- section. The blue jay, according to and drank the stuff died. The spores ferred to, were owned by Mrs. Swan reports to game officials, is fond of have been found on grapes, but thus Johnson of this city. Dr. Geiger quall eggs and is an enemy of the

the process of fermentation may dos- the case. At that time he an-Two teams each containg more than shoot. The team bringing in the soil, and was quoted to that effect largest number of birds will be the guests of the lesser at at a banquet.

> Pay part down now, and a little each week until Xmas, and we will reserve for you any gift you may select from our stock. Johnstone Fur-

Water With Phosphate In It Before Berakfast

Headaches are caused by auto-iness. Last winter the woman opened ed has been 510,091 square miles. arteries and veins of the head, procome nervous, despondent, sick, fevresort to acetanilid, aspirin or the bromides, wihch temporarily relieve but do not rid the blood of these irrri-

something useful as well as orna- spoonful of limestone phosphate in mental? All our hate, blouses and it, drank before breakfast will not petticoats, clearing at one-half price only wash these poisons from your only, Gerturude & Co., 527 Main St. system and cure you of headache, but 21-24 will cleanse, purify and freshen the

Ask your pharmacist for a quarter pound of limestone phosphate. It is tf inexpensive, harmless as sugar.

If you aren't feeling your best, if t off tongue is coated or you wake up 22-23 with bad taste, foul breath or have colds, indigestion, biliousness, constipation or sour, acid stomach, begin the phosphated hot water cure to rid ue your system of tolns and poisons tf Adv.

Horse Saves 1000 Children



BERKELEY, Calif., Dec. 23-"Alice," a plain sorrel mare, owned by Miss Margaret Williams, has saved 1,000 children's lives in the last away. The analysis disclosed to be for a big jay shoot to be held during lew years. Every so days two games at a laboratory here. The horse and made into diphtheria serum at a laboratory here. The horse is carefully fed and watched at all times.

Christmas Photographs

We have just completed arrangements which enables us to deliver your photograph to you 24 hours after you place your order. It is unnecessary to call your attention to the high class work and artistic finish of Henline Photographs. They are speaking for themselves today in most of Klamath county's homes. 'A photograph is an ideal Christmas gift, a constant reminder of your affection and regards to the receiver.

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